

ABSTRACT

Hectometric wave emission antenna

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To avoid searching for a new location for very high
hectometric wave antennas, an antenna according to the
invention comprises an existing vertical structure having
a height of at least approximately ten meters and
10 including at least one electrically conductive element
connected to the ground, and an excitation conductor wire
(4a) that is essentially electrically conductive,
disposed at least in part in the vicinity of and outside
the structure and connected to a emitter (E) so that the
15 structure radiates substantially hectometric waves. The
existing structure may be a broadcasting tower, a water
tower, a chimney, a lighthouse or a lamp standard,
wherein the excitation wire merges visually. The wire can
be replaced by a conductive loop a few meters long,
20 magnetically coupled to the structure.